

Ophelia

by Arya Akhavan (November 2012)

Angles for R.I. = 1.760

112 + 18 girdles = 130 facets

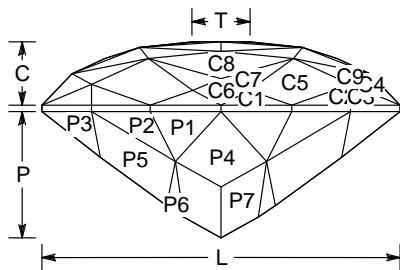
3-fold, mirror-image symmetry

96 index

L/W = 1.043 T/W = 0.169 U/W = 0.169

P/W = 0.367 C/W = 0.184

Vol./W³ = 0.178



PAVILION

P1	45.77°	01-31-33-63-65-95	Cut to centerpoint.
P2	44.35°	03-29-35-61-67-93	Meet at culet.
P3	42.00°	05-27-37-59-69-91	Meet at culet.
G1	90.00°	01-31-33-63-65-95	Set stone size.
G2	90.00°	03-29-35-61-67-93	Level girdle.
G3	90.00°	05-27-37-59-69-91	Level girdle.
P4	44.00°	96-32-64	Meet P1, G1
P5	41.77°	04-28-36-60-68-92	Meet P2, P3, G2, G3
P6	41.00°	03-29-35-61-67-93	Meet P1, P2, P4, P5
P7	41.00°	01-31-33-63-65-95	Meet P1, P2, P4, P5, P6

CROWN

C1	56.66°	01-31-33-63-65-95	Set girdle width.
C2	57.12°	03-29-35-61-67-93	Level girdle.
C3	58.03°	05-27-37-59-69-91	Level girdle.
C4	47.36°	07-25-39-57-71-89	Meet G3, C3
C5	49.90°	02-30-34-62-66-94	Meet G1, G2, C1, C2
C6	51.91°	96-32-64	Meet G1, C1
C7	46.79°	01-31-33-63-65-95	Meet C1, C5, C6
C8	40.31°	96-32-64	Meet C6, C7
C9	38.95°	05-27-37-59-69-91	Meet C2, C3, C4, C5
C10	20.00°	10-22-42-54-74-86	Meet C4, C9; C5, C7, C8
C11	15.00°	04-28-36-60-68-92	Meet C5, C7, C8, C9, C10
C12	10.82°	03-29-35-61-67-93	Meet C8, C11; C10, C11
C13	4.74°	12-20-44-52-76-84	Meet C10, C11, C12
T	0.00°	Table	Meet C12, C13

I was looking at my Heart of Darkness design, and realized that I wanted another absurdly time-consuming design with lots of small facets. So, I wrote this trillion, and named it with another literary reference. Written for sapphire, but works in materials from quartz to rutile (RI = 1.54 - 2.62) with no changes.

Suggested size = 10-15 mm

C:\Program Files (x86)\GemCAD\Designs (Mine)\Works in Progress\Ophelia.gem